

In the United States Patent and Trademark Office

3176-101P

First/Sole Applicant: Yang Ta-yung

Joint/Second Applicant: _____

Title: Adaptive Slope Compensator for Current Mode Power Converter "

Small Entity Declaration -Independent Inventor (s)

As a below-named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under Section 41 (a) and (b) of Title 35 United States Code, to the Patent and Trademark Office with regard to my above-identified invention described in the specification filed herewith. I have not assigned, granted, conveyed, or licensed – and am under no obligation under any contract or law to assign, grant, convey, or license any rights in the invention to either (a) any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or (b) any concern which would not qualify as either (i) a small business concern under 37 CFR 1.9 (d) or (ii) a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed - or am under an obligation under contract or law to assign, grant, convey, or license – any rights in the invention is listed below:

☐ There is no such person, concern, or organization.

☒ Any applicable person, concern, or organization is listed below:*

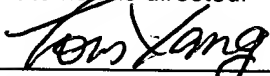
Full Name: System General Corporation

Address: 1603A South Main Street Milpitas, CA 95035

U.S.A.

I acknowledge a duty to file, in the above application for patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.



Signature of Sole/First Inventor

Yang Ta-yung

Print Name of Sole/First Inventor

July 1, 1997

Date of Signature

Signature of Joint/Second Inventor

Print Name of Joint/Second Inventor

Date of Signature

*Note: A separate Small Entity Statement is required from any listed entity.

BIRCH, STEWART, KOLASCH & BIRCH, LLP

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO.
3176 - 101P

PLEASE NOTE:
YOU MUST
COMPLETE THE
FOLLOWING:

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:*

**Adaptive Slope Compensator for Current Mode
Power Converter**

Invent Title

Check Box If
Appropriate -
For the Without
Specification
Attached

the specification of which is attached hereto unless the following box is checked:

☐ was filed on _____ as United
States Application Number _____ or
PCT International Application Number _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe that same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Enter Priority
Information
(If Appropriate)

(Number)	(Country)	(Month/Day/Year Filed)	Priority Claimed	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months (6 Months for Designs) Prior To The Filing Date of This Application:

Country	Application No.	Date of Filing (Month/Day/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

*NOTE: Must be completed.

08907888-08197

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

RAYMOND C. STEWART (Reg. No. 21,046)
 JOSEPH A. KOLASCH (Reg. No. 22,463)
 JAMES M. SLATTERY (Reg. No. 28,380)
 CHARLES GORENSTEIN (Reg. No. 29,271)
 LEONARD R. SVENSSON (Reg. No. 30,330)
 MARC S. WEINER (Reg. No. 32,181)
 JOE MCKINNEY MUNCY (Reg. No. 32,334)
 C. JOSEPH FARACI (Reg. No. 32,355)

TERRELL C. BIRCH (Reg. No. 19,382)
 ANTHONY L. BIRCH (Reg. No. 26,122)
 BERNARD L. SWEENEY (Reg. No. 24,448)
 MICHAEL K. MUTTER (Reg. No. 29,680)
 GERALD M. MURPHY, JR. (Reg. No. 28,977)
 TERRY L. CLARK (Reg. No. 32,644)
 ANDREW D. MEIKLE (Reg. No. 32,868)
 ANDREW F. REISH (Reg. No. 33,443)

PLEASE NOTE:
 YOU MUST
 COMPLETE THE
 FOLLOWING:

Send Correspondence to: **BIRCH, STEWART, KOLASCH AND BIRCH, LLP**

P.O. Box 747

Falk Church, Virginia 22040-0747

Telephone: (703) 205-8000

Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole
 Inventor:
 Last Name of Inventor
 Invent Date This
 Document Is Signed

Invent Residence
 Invent Citizenship

Invent First Office
 Address

Full Name of Second
 Inventor, if any:

see above

Full Name of Third
 Inventor, if any:

see above

Full Name of Fourth
 Inventor, if any:

see above

Full Name of Fifth
 Inventor, if any:

see above

*Note: Must be completed
 — date this document is
 signed.

GIVEN NAME Ta-yung		FAMILY NAME Yang		INVENTOR'S SIGNATURE <i>Ta-yung Yang</i>		DATE Aug 7, 1997	
Residence (City, State & Country) Tao Yuan, Taiwan				CITIZENSHIP Taiwan			
POST OFFICE ADDRESS (Complete Street Address including City, State & Country) 1603A South Main Street, Milpitas, CA 95035							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE	
Residence (City, State & Country)				CITIZENSHIP			
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE	
Residence (City, State & Country)				CITIZENSHIP			
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE	
Residence (City, State & Country)				CITIZENSHIP			
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							
GIVEN NAME		FAMILY NAME		INVENTOR'S SIGNATURE		DATE	
Residence (City, State & Country)				CITIZENSHIP			
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)							

Joint/Second Applicant:

Title: " Adaptive Slope Compensator for Current Mode Power Converter "

I hereby declare that I am

- ☐ the owner of the small business concern identified below:
- ☒ an officer of the small business concern empowered to act on behalf of the concern identified below:

Name of Concern: System General Corporation

Address of Concern: 1603A South Main Street Milpitas, CA 95035

U.S.A.

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the above entitled invention of the above applicants and the specification filed herewith.

I acknowledge a duty to file, in the above application for patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Don Yang
Signature of Officer of Small Business Concern

Date Aug 14/97

Don Yang / Vice President
Name and Title of Officer

1603A South Main Street Milpitas, CA 95035 U.S.A.
Address of Officer